



Missouri
Department of
Natural Resources

Power Plant: Dogwood Energy Facility

Plant Owner: Dogwood Energy LLC

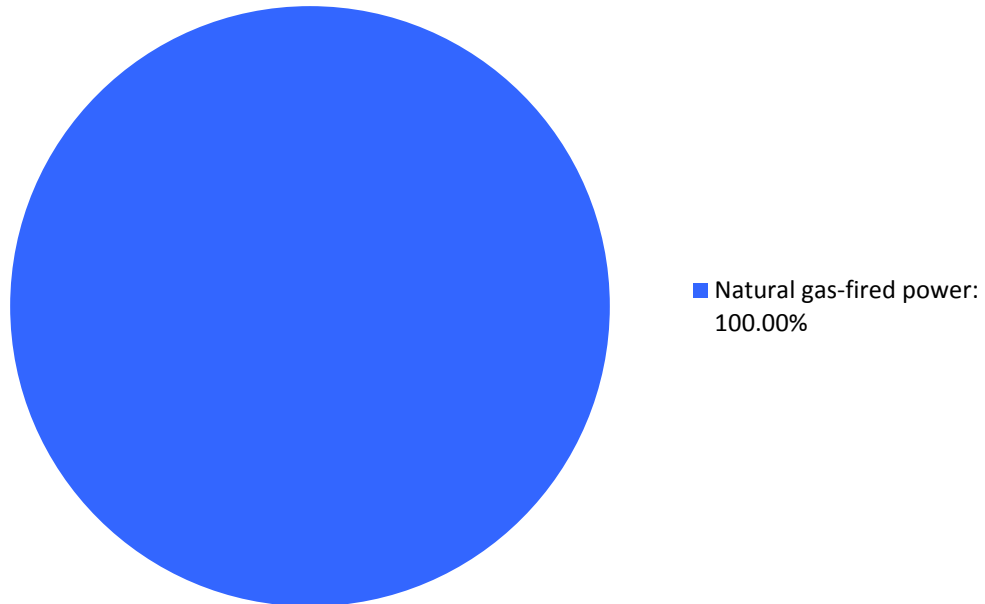
Power generated in 2009 from non-renewable and renewable sources

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power	6,742,134	100.00%		867,848	100.00%	
Oil-fired power						
Nuclear power						
Other non-renewable power						
Non-renewable total	6,742,134	100.00%	100.00%	867,848	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	6,742,134		100.00%	867,848		100.00%

Fuel Type	Physical Units	Number of Units
Natural Gas	Mcf	6,633,302



Net Generation by Fuel Type, 2009 for Dogwood Energy Facility





Dogwood Energy Facility
Emissions from Electricity Generated in 2009

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
Dogwood Energy Facility	384,592.28	78.57	15.20	38.43	0.29

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Dogwood Energy Facility	2.41	8.53	8.53	NV

'NV' = Emissions value not available.



Pollution controls installed on Dogwood Energy Facility

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Dogwood Energy Facility	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Dogwood Energy Facility	LOW NOX BURNERS	LOW NOX COMBUSTOR FOR GAS TURBINE	100.00%	88.00%
Dogwood Energy Facility	LOW NOX BURNERS	LOW NOX BURNER FOR HRSG	100.00%	25.00%
Dogwood Energy Facility	SCR (SELECTIVE CATALYTIC REDUCTION)	SELECTIVE CATALYTIC REDUCTION	100.00%	80.00%

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html